

Application Note

ST7501 Using Event Management

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Introduction

In addition to monitoring and recording, the ST7501 provides the ability to manage various types of events. Some typical applications include:

- (1) Using one camera's digital input device to trigger another camera's digital output device.
- (2) Receiving a GSM message when the cameras stop recording.
- (3) Receiving an e-mail when storage has been exhausted.

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1. Usage scenarios

The following three scenarios illustrate the use of the ST7501's event management features.

1.1 Digital input triggering digital output

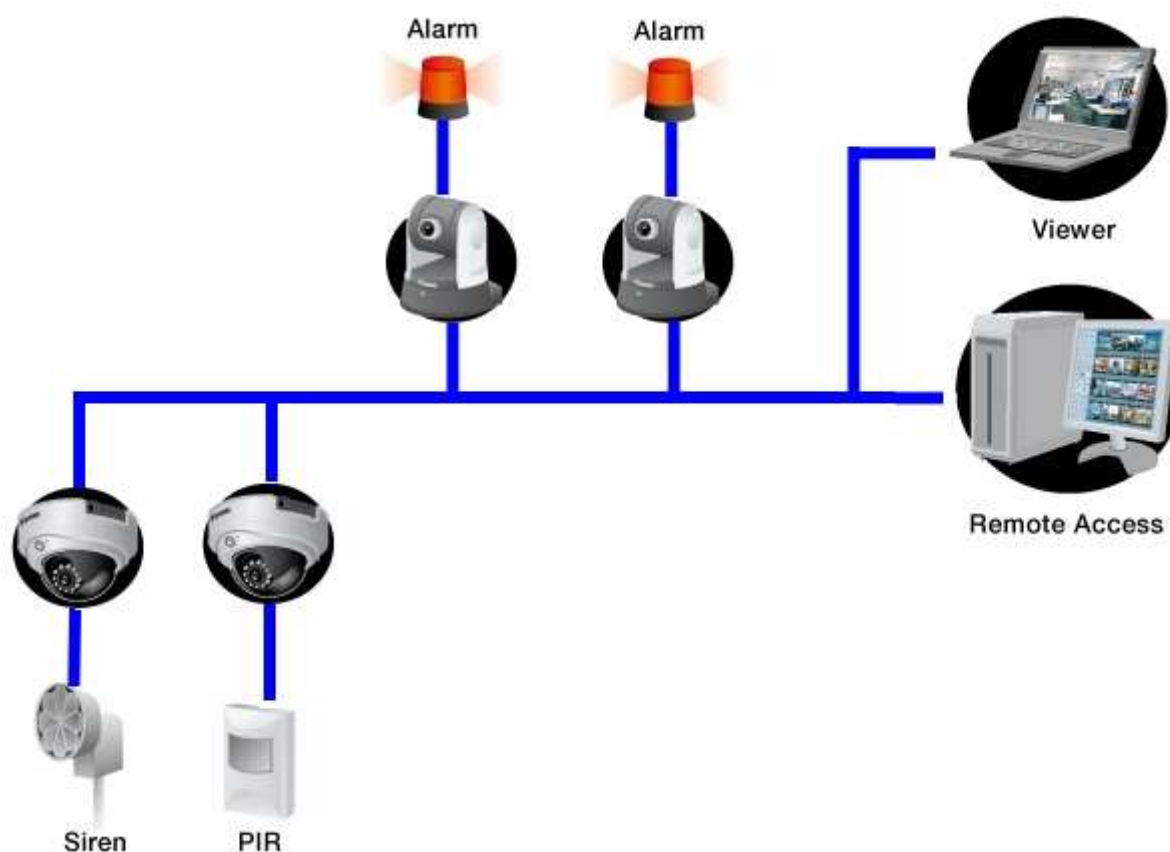


Figure 1: Scenario (I)

If the FD7131's PIR or siren is triggered, the ST7501 will activate the PZ7131's alarm to notify the user. If the ST7501 is not used, only PIR can be used to trigger the FD7131's alarm.

To set up an event, follow the steps below:

- (1) In the Trigger window, make the selections shown in Figure 2, then click **OK**.

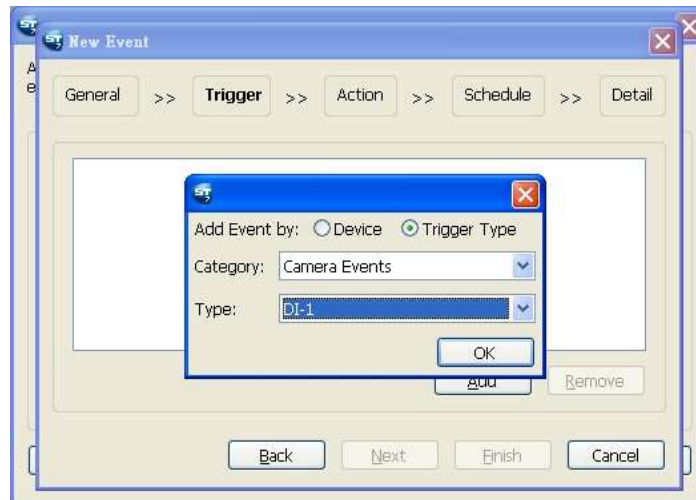


Figure 2: Trigger window

(2) In the window that appears, select the cameras' digital input device, then set the desired **Trigger Period** and **Notification Type**.

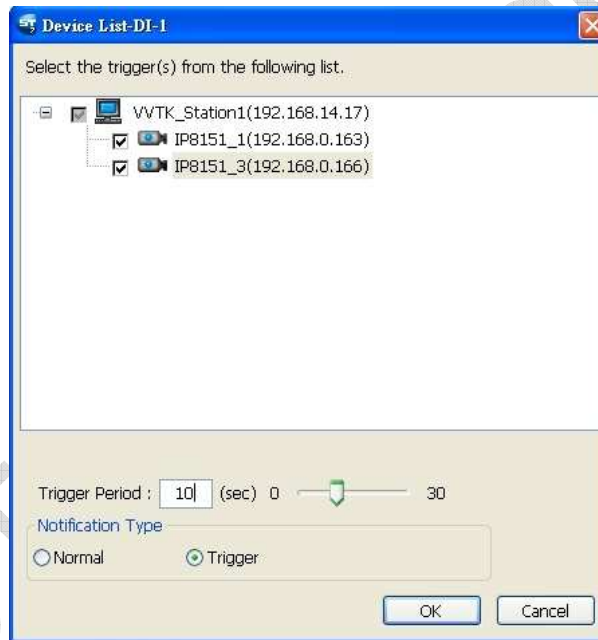


Figure 3: Device list for DI-1

(3) In the Action window, select **Set DO** then click **Add DO** to add the cameras' digital output device.

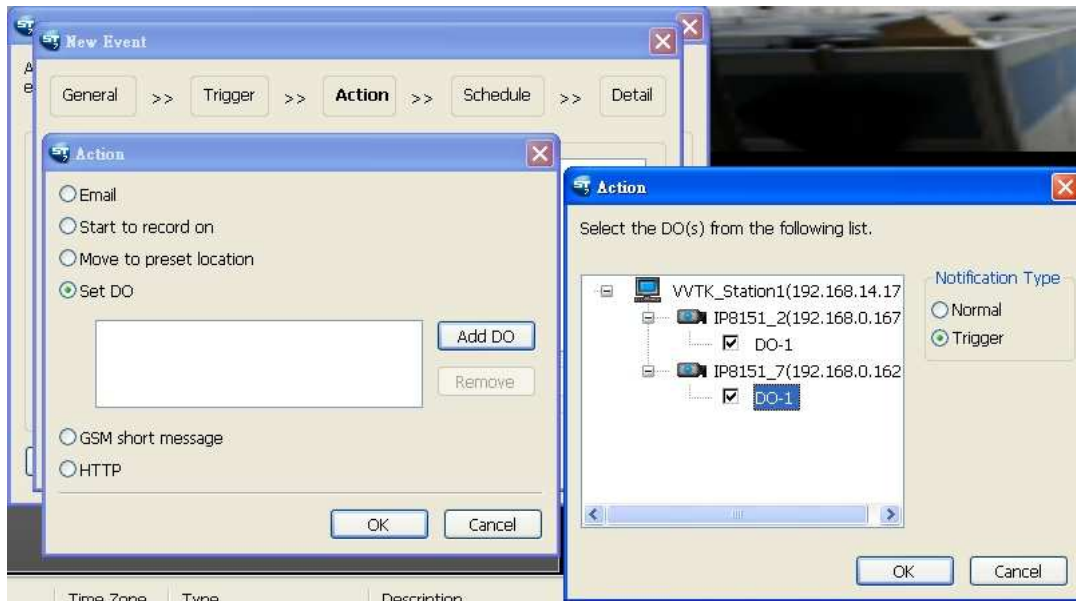


Figure 4: Action window

(4) In the Schedule panel, the event schedule can be set up.

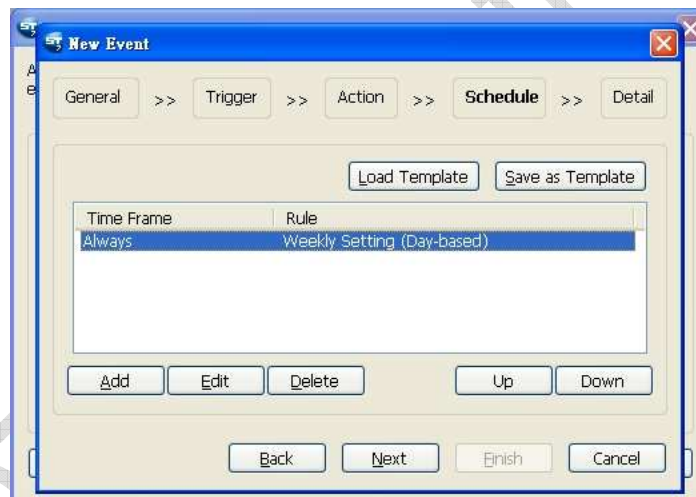


Figure 5: Schedule panel

1.2 Receiving a GSM message when cameras stop recording

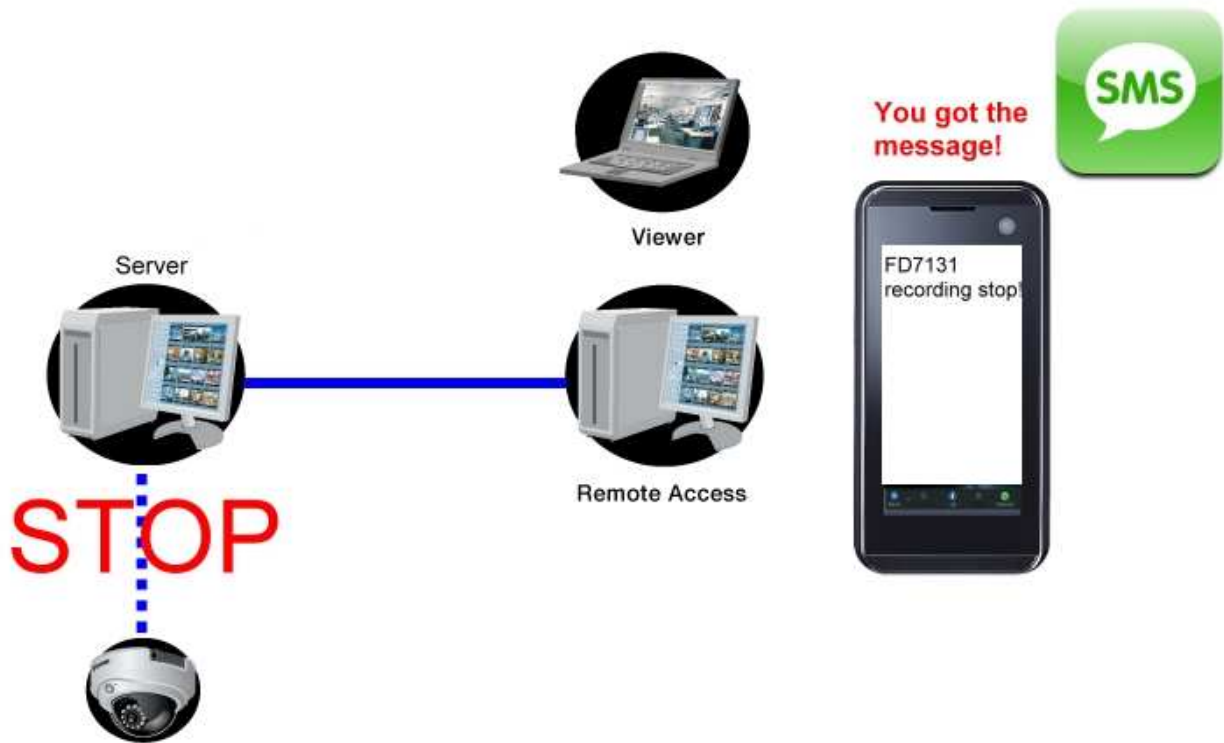


Figure 6: Scenario (II)

A GSM message can be sent to a user's mobile phone when recording has been interrupted. Such messages can keep the user informed of system status, even when not in the control room or in front of a computer.

To set up an event, follow the steps below:

(1) In the Trigger window, make the selections shown in Figure 7, then click **OK**.

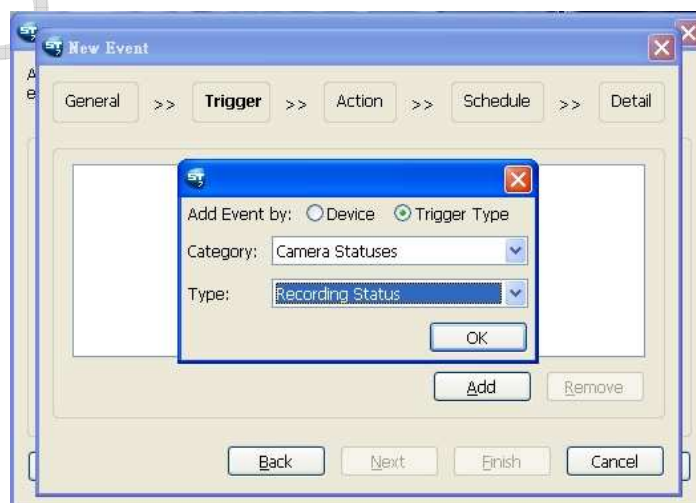


Figure 7: Trigger window

(2) In the window that appears, select the cameras you wish to respond to the trigger, then set the desired **Trigger Period** and **Notification Type**.

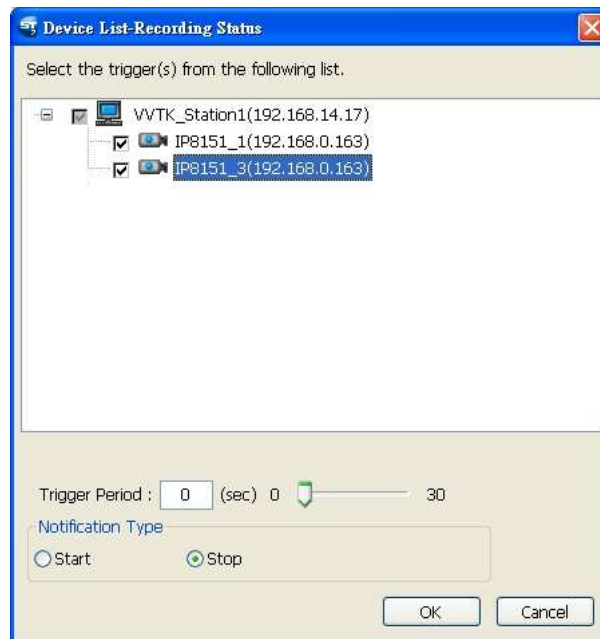


Figure 8: The List of Recording Status

(3) In the Action window, select GSM short message, then click GSM Settings to perform configuration.

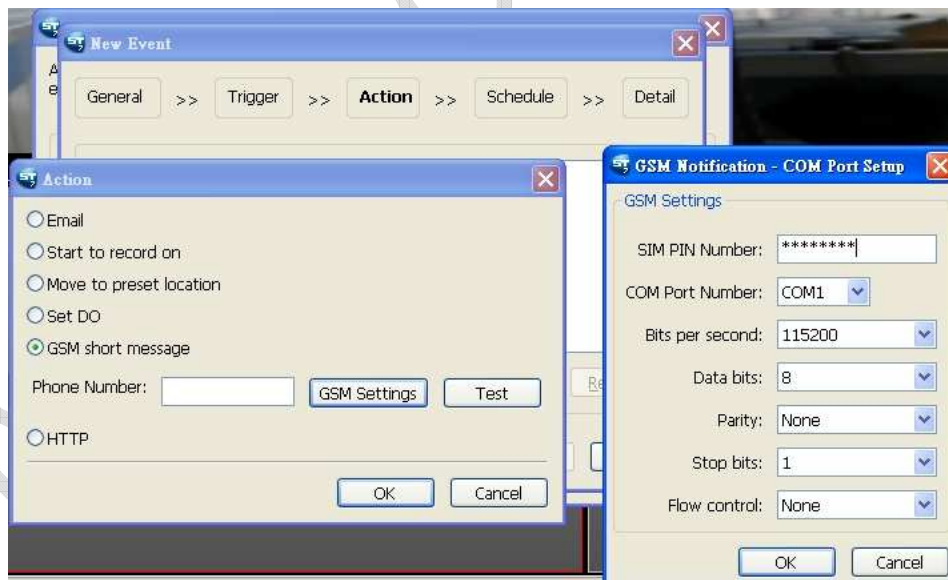


Figure 9: GSM Settings

Note: The computer must be connected to a GSM modem to configure the settings.

(4) In the Schedule panel, event schedules can be set up.

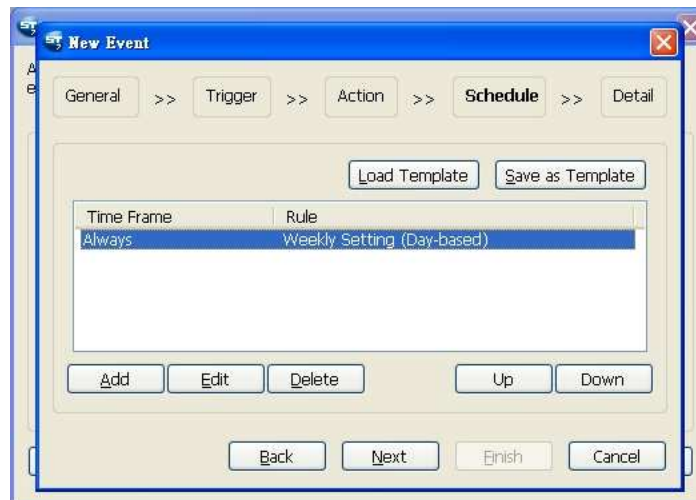


Figure 10: Schedule panel

1.3 Receiving an e-mail when storage has been exhausted

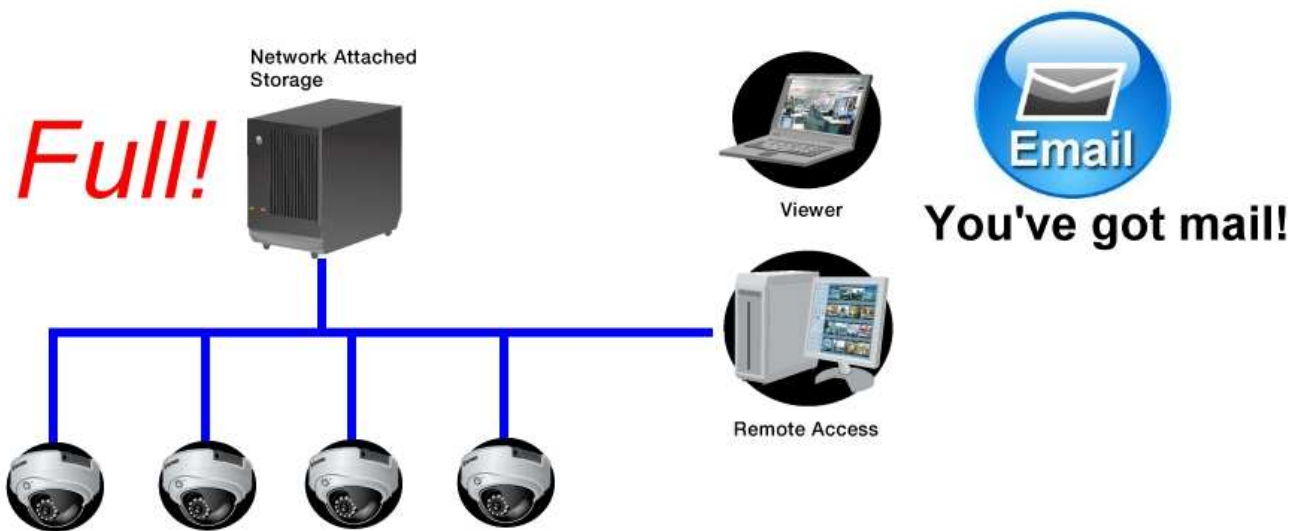


Figure 11: Scenario (III)

An e-mail can be sent when there is insufficient storage remaining to continue recording. The user can stay informed of current storage status, so that storage can be expanded or other actions taken.

To set up an event, follow the steps below:

(1) In the Trigger window, make the selections shown in Figure 12, then click **OK**.

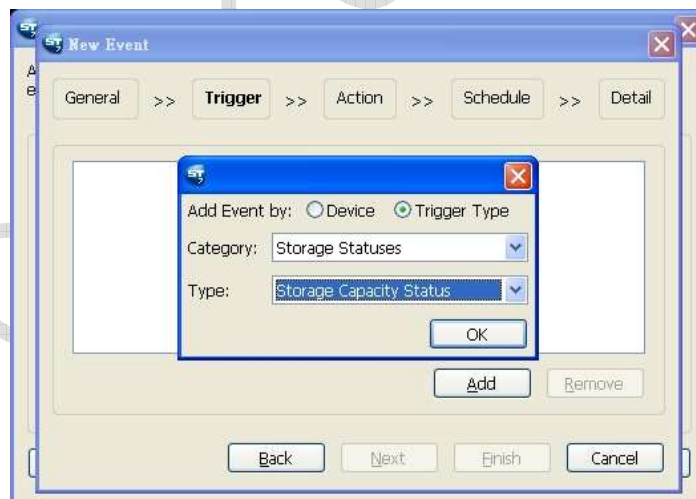


Figure 12: Trigger window

(2) Select the desired server and set the desired **Trigger Period** and **Notification Type**.

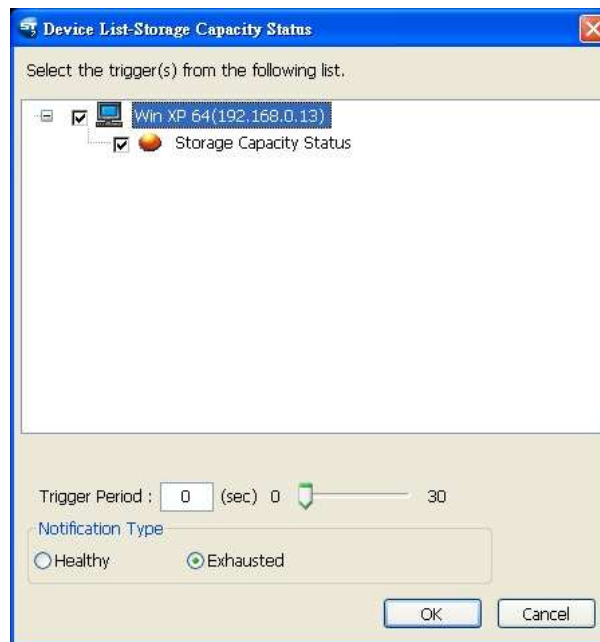


Figure 13: List of devices for which storage capacity status is available

(3) In the Action window, select **Email**, then click **SMTP Settings** to perform configuration. The **Insert Macro** feature can be used to specify the content of the notification e-mail.

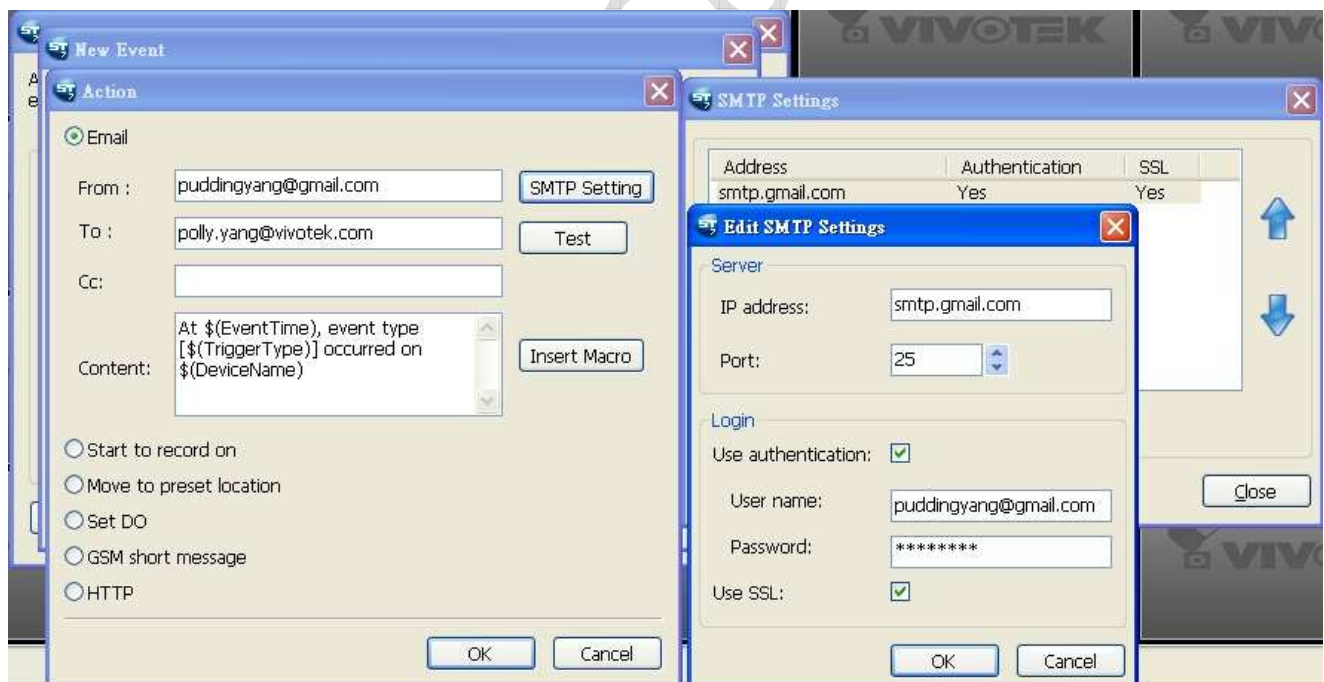


Figure 14: SMTP Settings

****SMTP Settings: If using Gmail's SMTP server, set the port to 25 or 587.***

****Insert Marco: This feature can be used to decide the particular content that will be sent, and can include event time, trigger type, and device name.***

(4) In the Schedule panel, the event schedule can be set up.

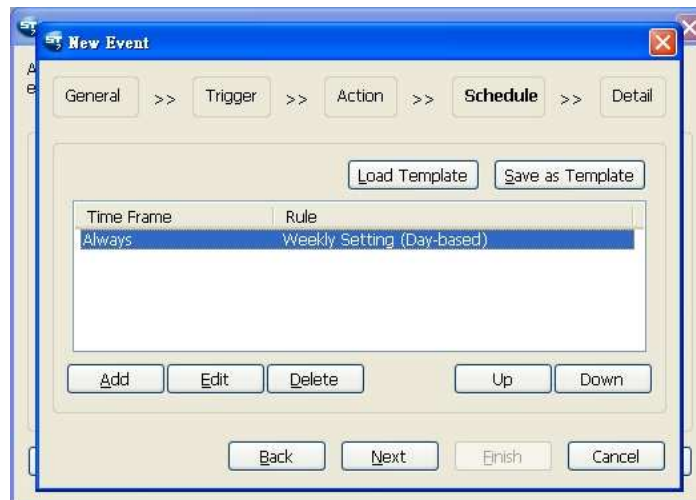


Figure 15: Schedule panel

2. How to set up event management

Please refer to **How to Set up Event Management** in the ST7501 LiveClient Configuration section in the ST7501 user manual.

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